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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **MANAGING BIOLOGICAL DATABASES**

(57) Abstract: A method for creating a database for managing multiple types of biological information, includes the steps of: inputting the biological information into the database as a new record, comparing the information in the record to the information already present in the database to determine whether the information already exist in the database; and adding the information to the database if it is not redundant. Creating at least one module for a specific type of biological information that is associated with each unique identifier, obtaining a form of biological information associated with a module in the database. Associating the biological information with the correct module in the database, and associating the biological information with the correct unique identifier.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/33590

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/30
US CL : 707/6, 100, 101, 102, 104.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 707/6, 100, 101, 102, 104.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Google, ACM

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0102604 A1 (MILNE EDWARDS et al) 1 August 2002 (1.8.2002), whole document	44-84
Y	US 2002/0072865 A1 (HOGUE et al) 13 June 2002 (13.06.2002), whole document	1-84
Y	US 6,363,399 B1 (MASLYN et al) 26 March 2002 (26.03.2002), Whole document	1-84
Y	US 6,303,297 B1 (LINCOLN et al) 16 October 2001 (16.10.2001), Whole document	1-84
Y	ALTSCHUL et al., Gapped BLAST and PSI-BLAST: a new generation of protein database search programs, Nucleic Acids Research, 1997, Vol. 25. No. 17, pages 3389-3402.	1-84
Y	FRISHMAN et al, Combining diverse evidence for gene recognition in completely sequenced bacterial genomes, Nucleic Acids Research, 1998, Vol. 26, No. 12, pages 2941-2947	1-84
A	WILLIAMS et al., Indexing and Retrieval for Genomic Database, IEEE Transactions on Knowledge and Data Engineering, Volume 14, Issue 1 (January 2002), Pages: 63 - 78	1-84

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"I"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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